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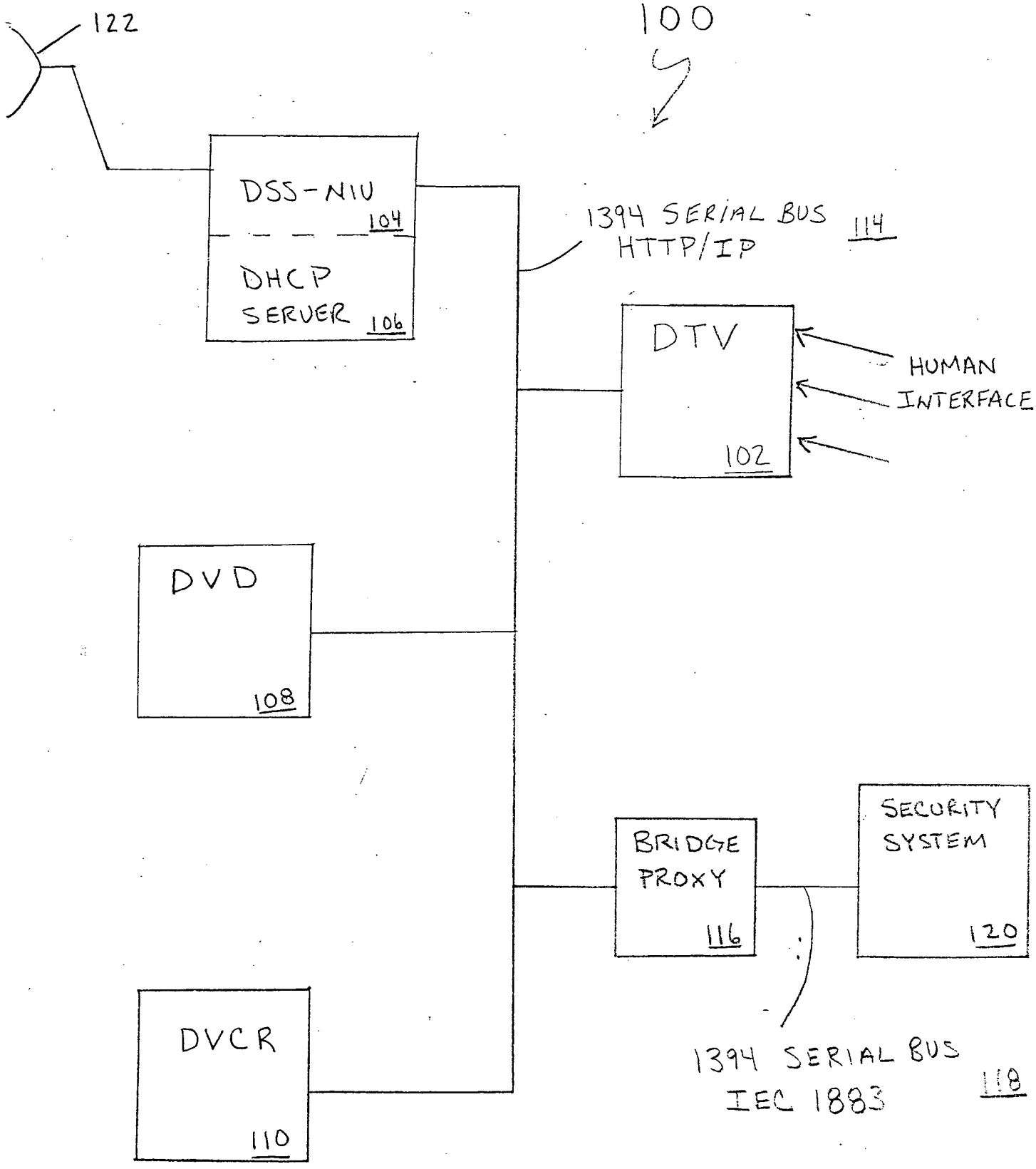
FIGURE 1


122
100
DSS-NIU
104
DHCP
SERVER
106
1394 SERIAL BUS
HTTP/IP
114
DTV
102
HUMAN
INTERFACE
DVD
108
BRIDGE
PROXY
116
SECURITY
SYSTEM
120
DVCR
110
1394 SERIAL BUS
IEC 1883
118

FEB-09-98 MON 07:50 PM LPLB-SILICON VALLEY FAX NO. 4082712310 P.03/19

FIGURE 1A

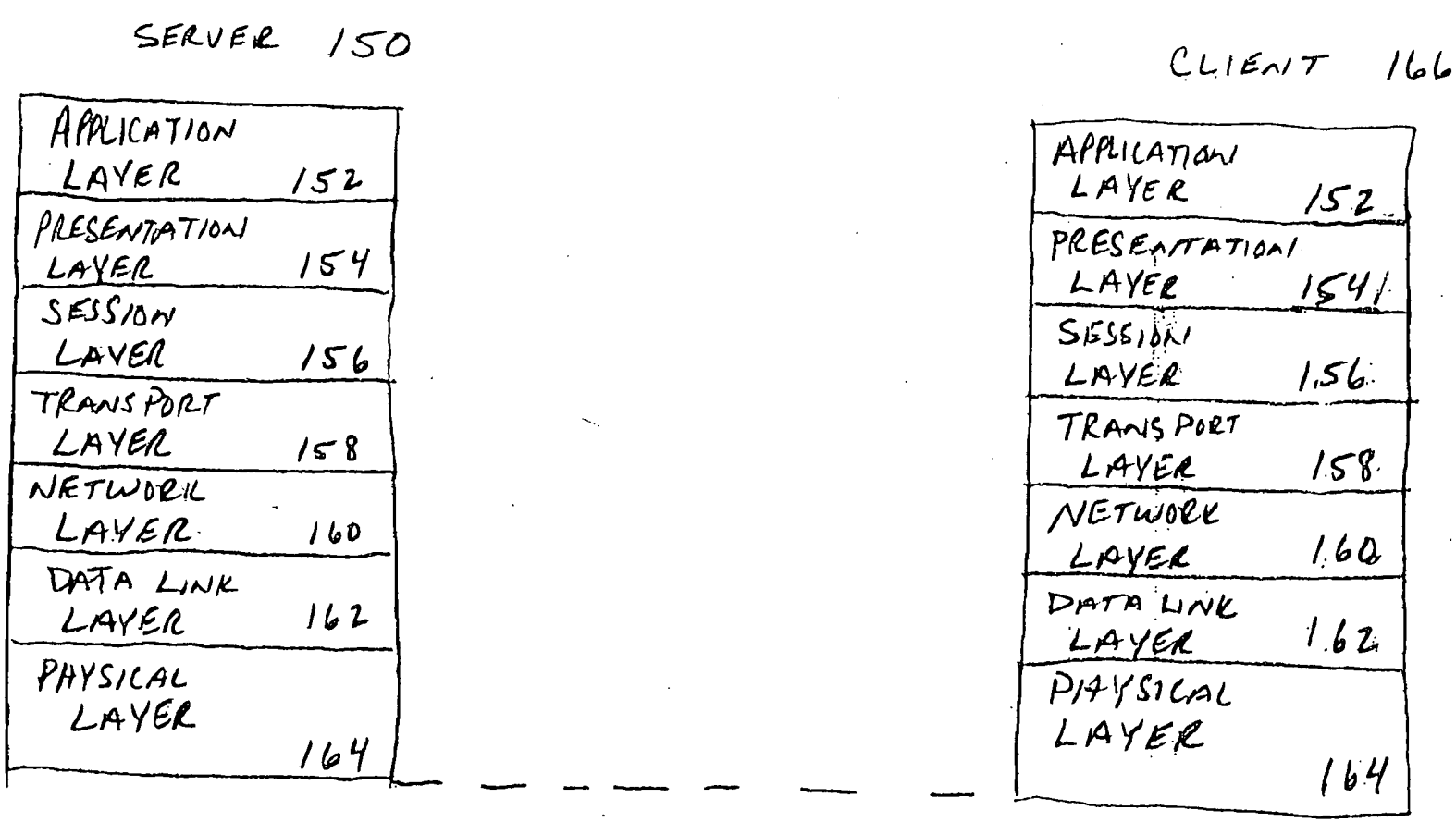


FIG. 2A

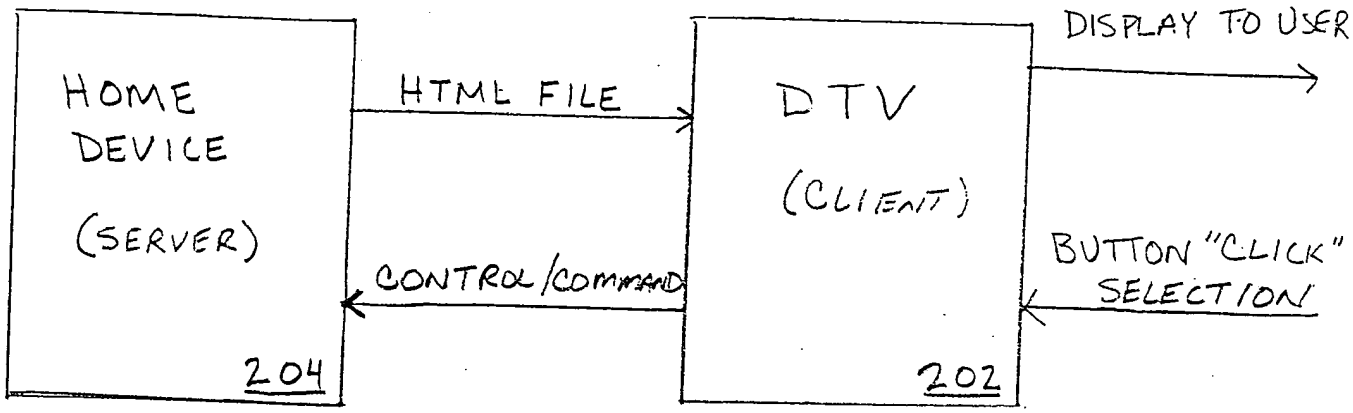

HOME DEVICE
(SERVER)
204
HTML FILE
CONTROL/COMMAND
DTV
(CLIENT)
202
DISPLAY TO USER
BUTTON "CLICK" SELECTION

FIG. 2B

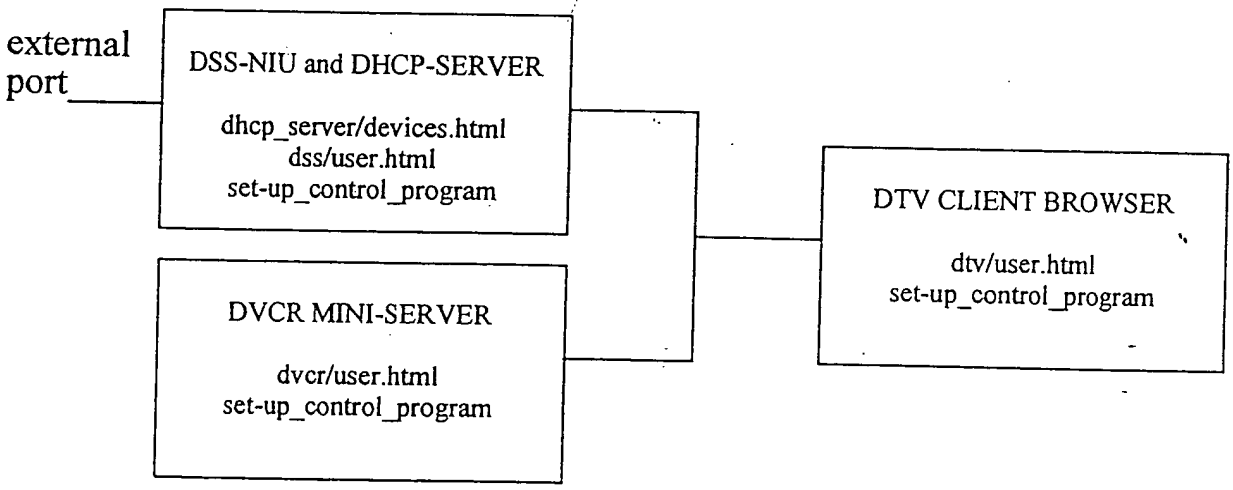

external port
DSS-NIU and DHCP-SERVER
dhcp_server/devices.html
dss/user.html
set-up_control_program
DVCR MINI-SERVER
dvcr/user.html
set-up_control_program
DTV CLIENT BROWSER
dtv/user.html
set-up_control_program

FIGURE 3

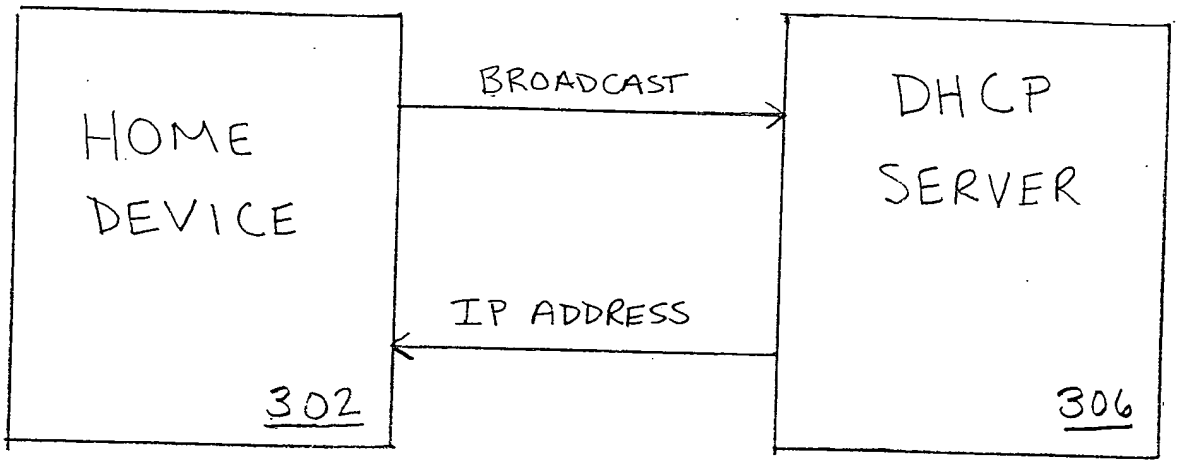


FIGURE 3A

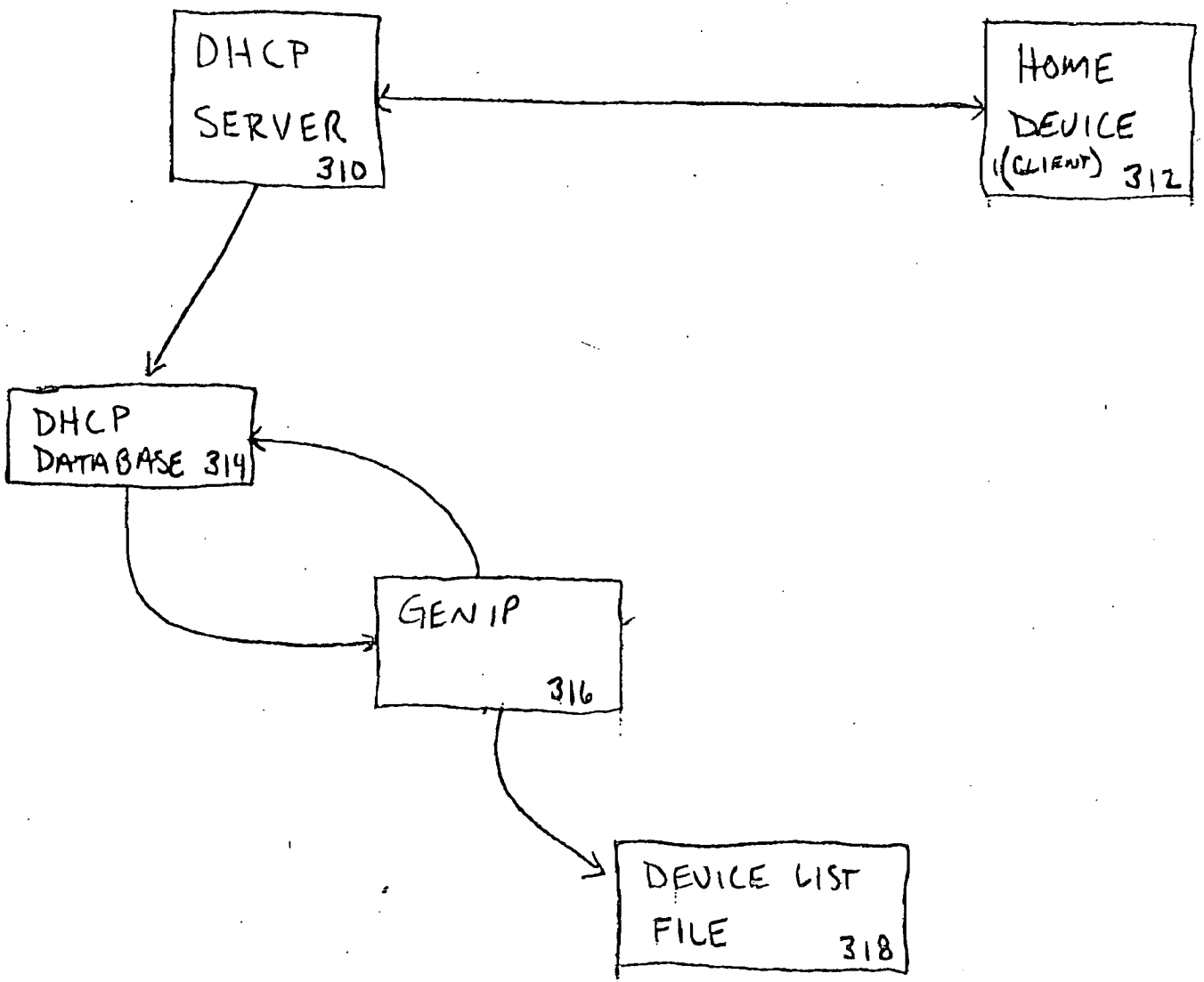

DHCP SERVER 310
HOME DEVICE (CLIENT) 312
DHCP DATABASE 314
GEN IP 316
DEVICE LIST FILE 318

FIGURE 4

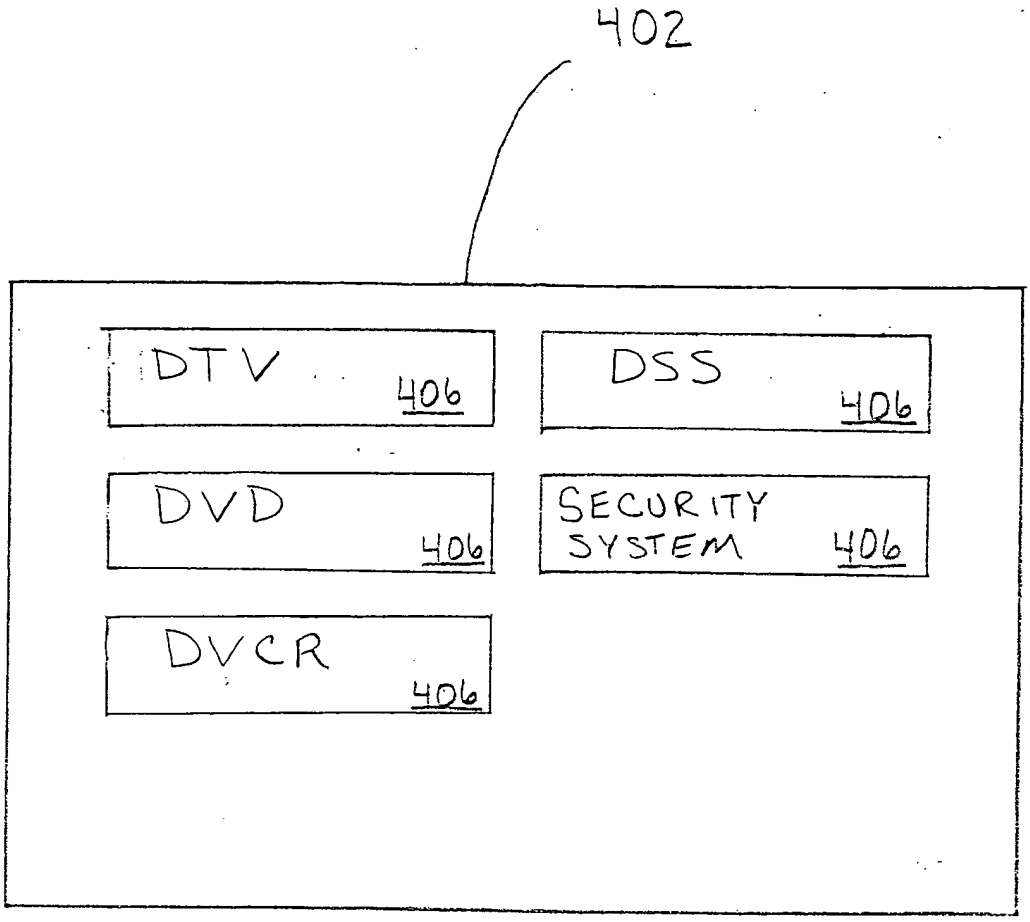


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FIGURE 4A

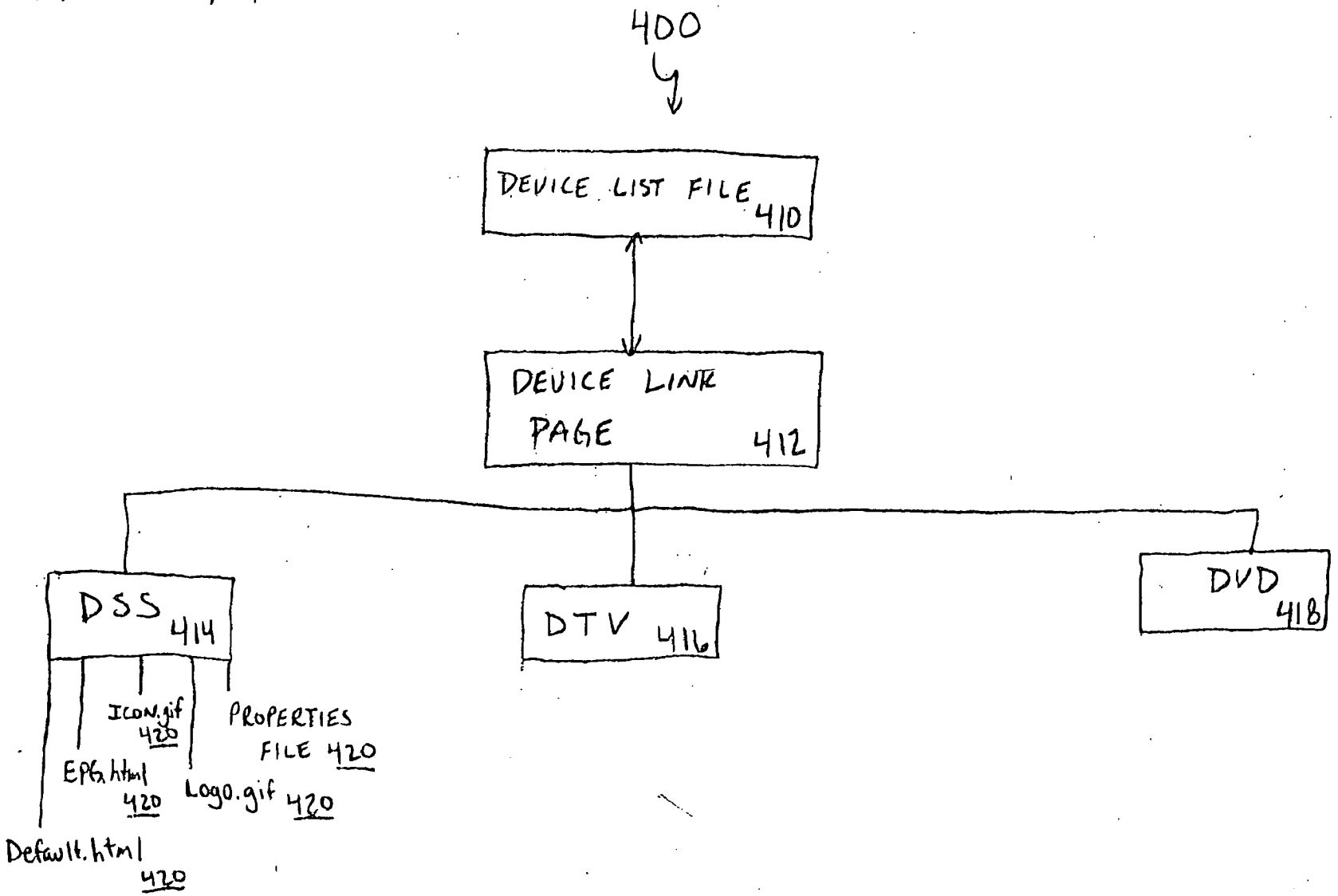


FIGURE 5

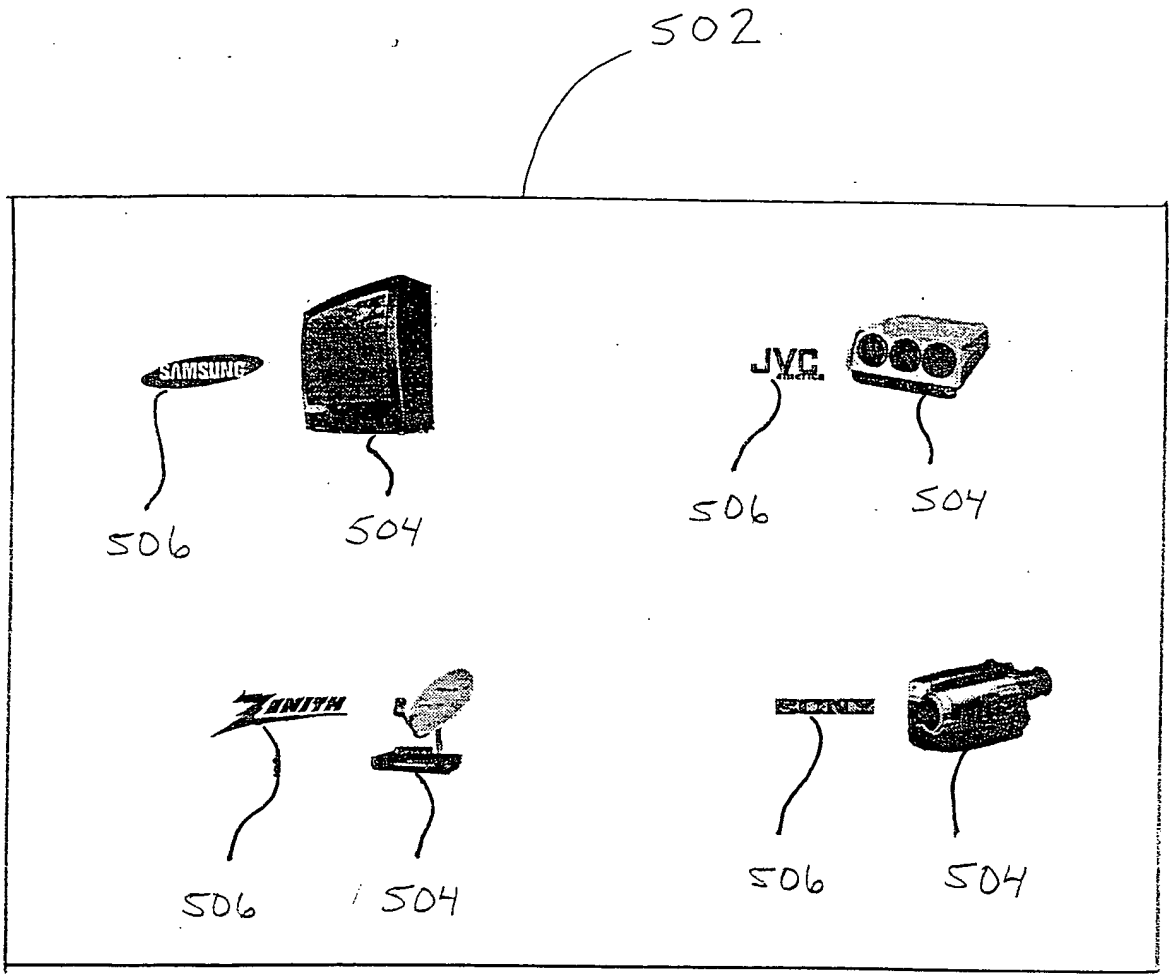


FIGURE 6

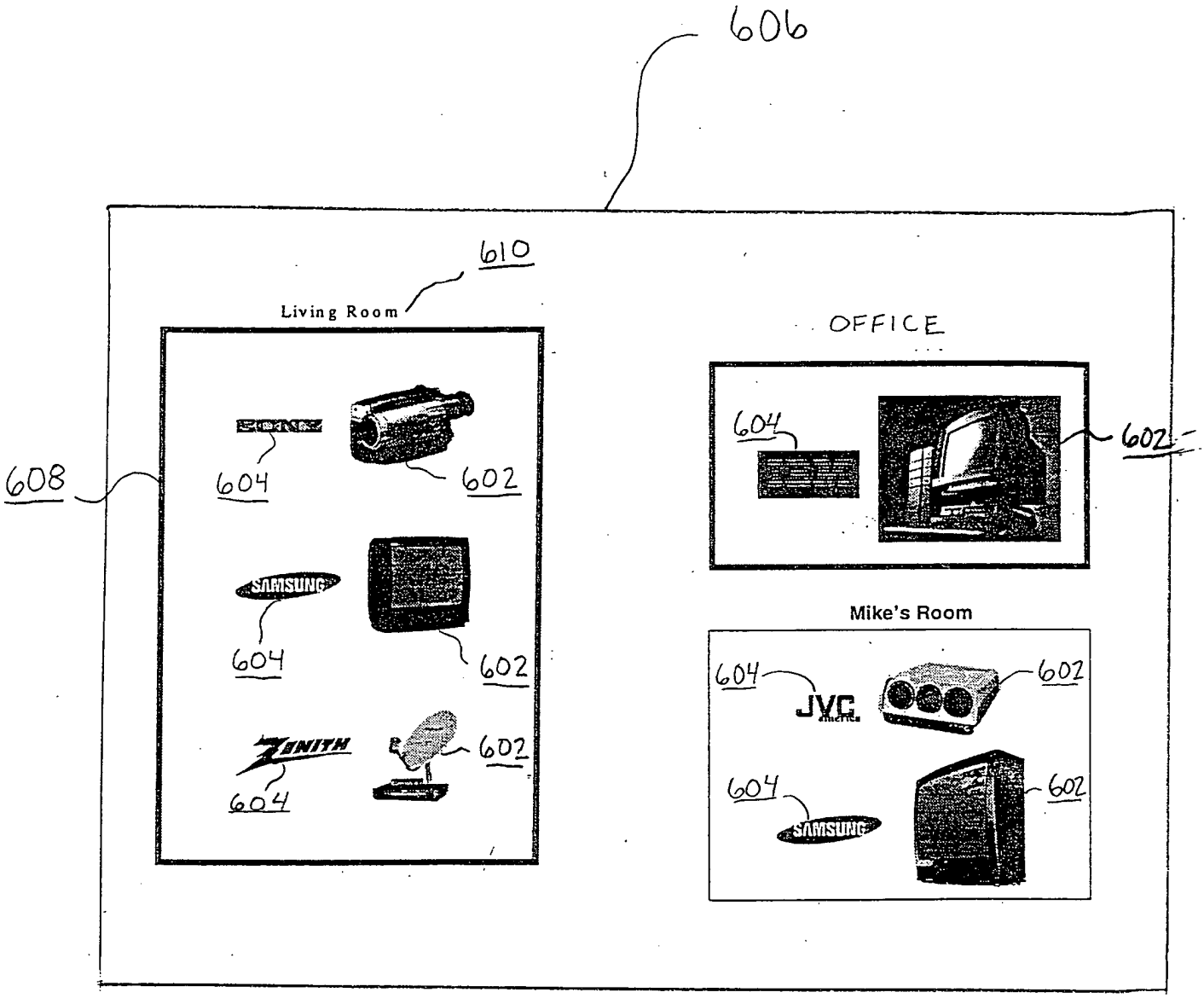

606
610
Living Room
608
604
602
SAMSUNG
604
602
ZENITH
604
602
OFFICE
604
602
Mike's Room
604
JVC
602
604
SAMSUNG
602

FIGURE 7

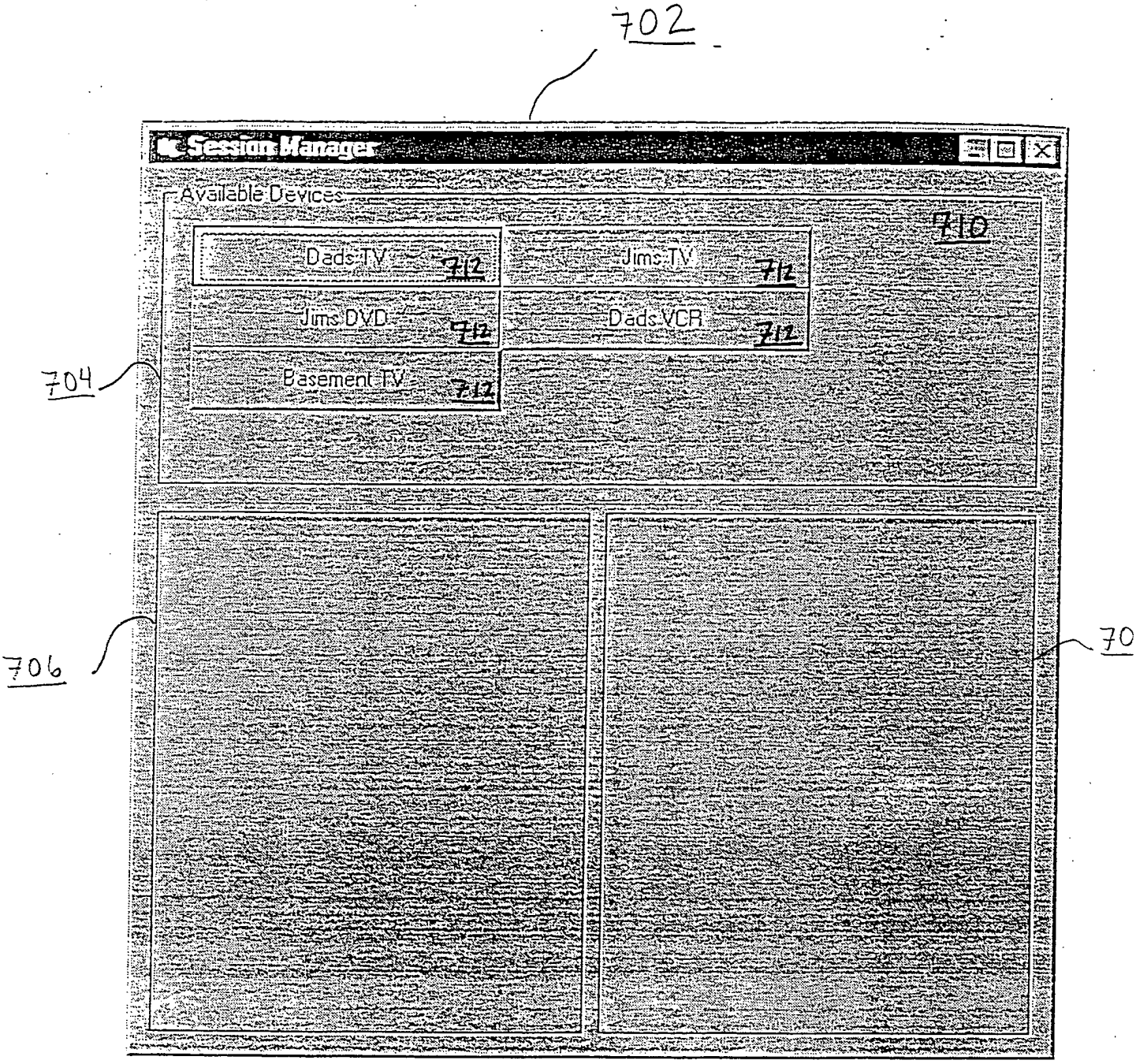

702
Session Manager
Available Devices
710
Dads TV
712
Jims TV
712
Jims DVD
712
Dads VCR
712
Basement TV
712
704
706
70

FIGURE 7A

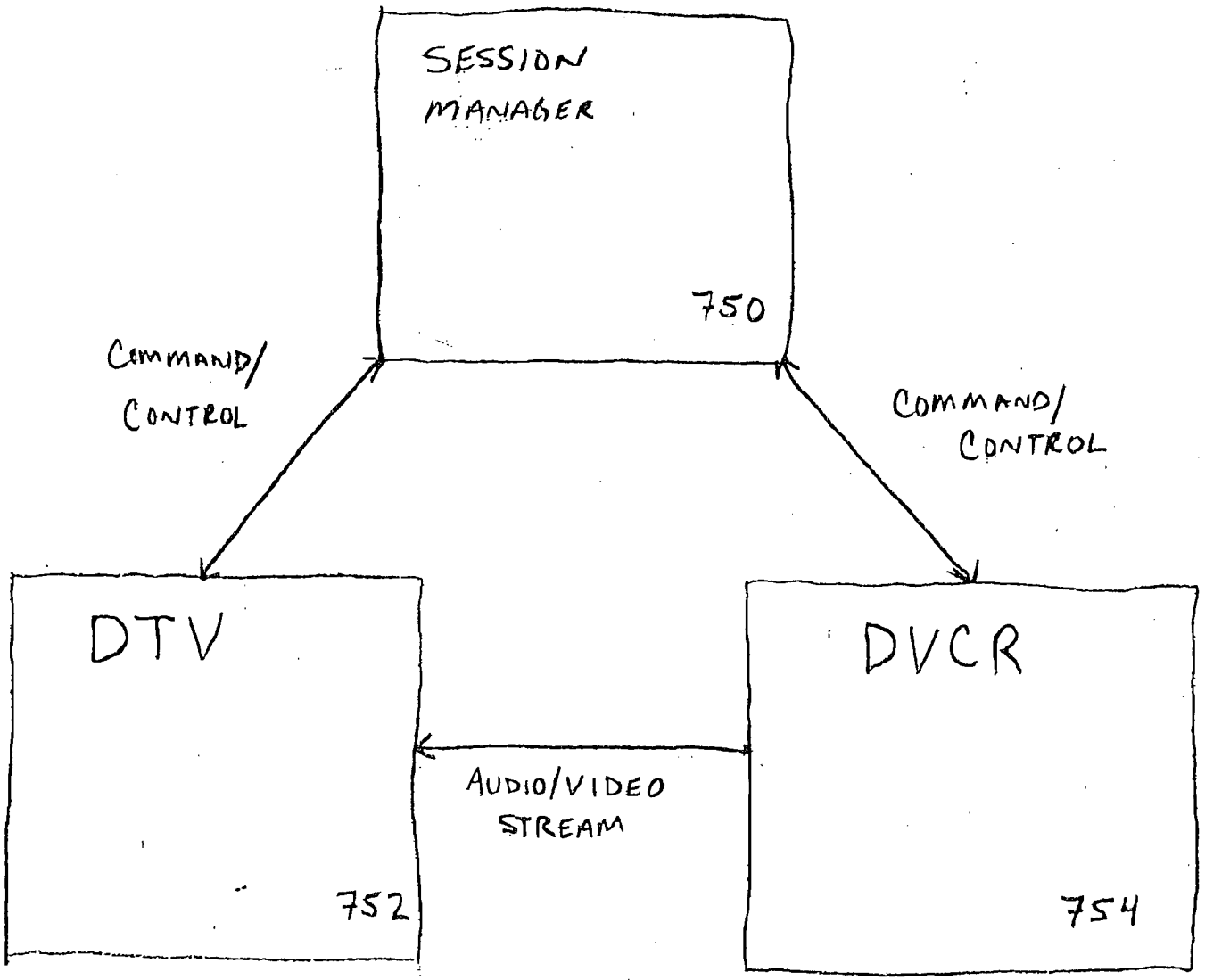

SESSION MANAGER
750
COMMAND/ CONTROL
COMMAND/ CONTROL
DTV
752
AUDIO/VIDEO STREAM
DVCR
754

FIGURE 8

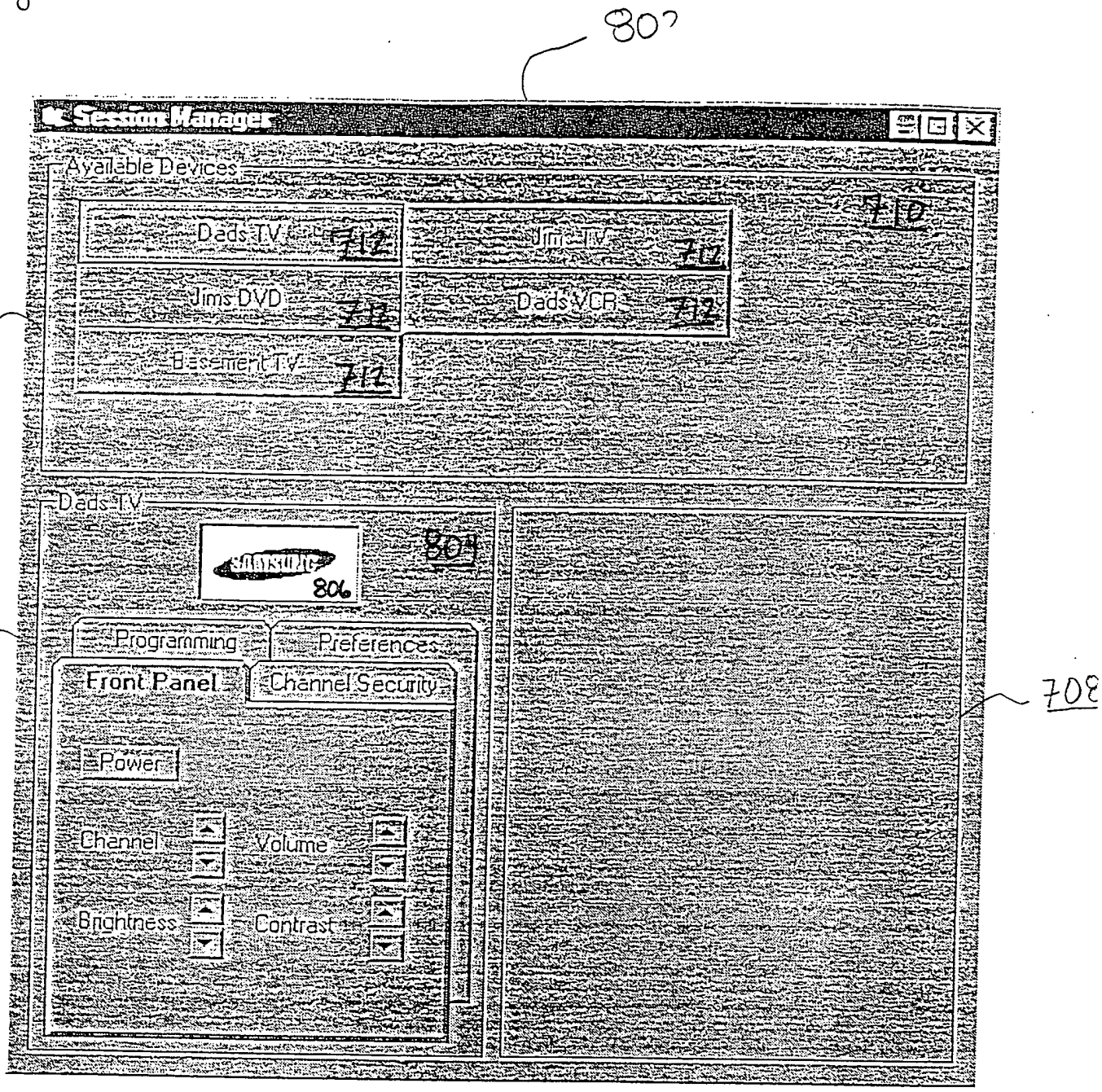

802
Session Manager
Available Devices
710
Dads TV
712
Jim TV
712
Jims DVD
712
Dads VCR
712
Basement TV
712
704
Dads TV
804
806
706
Programming
Preferences
Front Panel
Channel Security
708
Power
Channel
Volume
Brightness
Contrast

Figure 9

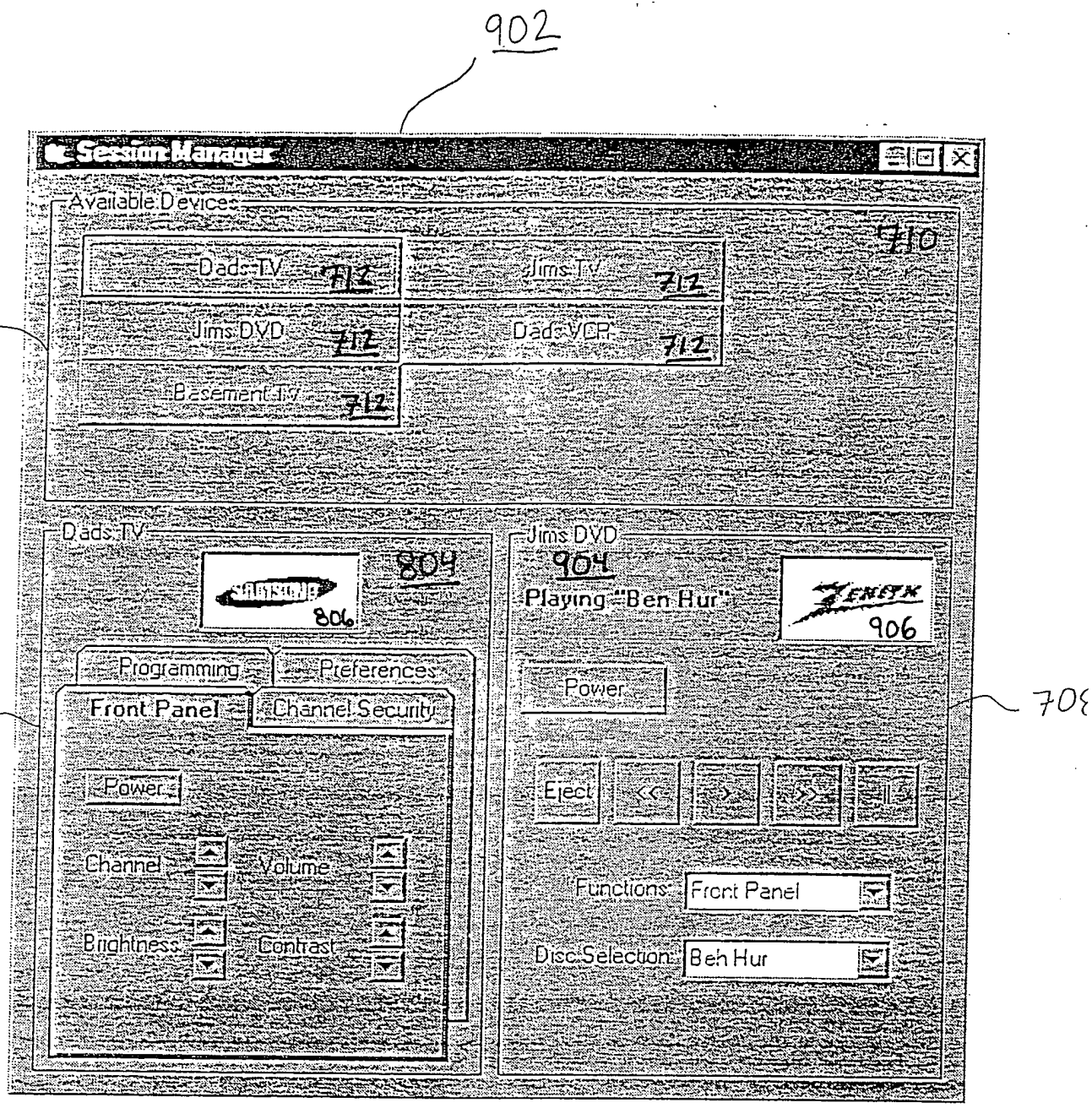

902
Session Manager
Available Devices
710
Dads TV
712
Jims TV
712
Jims DVD
712
Dads VCR
712
Basement TV
712
704
Dads TV
804
806
Programming
Preferences
Front Panel
Channel Security
Power
Channel
Volume
Brightness
Contrast
706
Jims DVD
904
Playing "Ben Hur"
906
Power
Eject
Functions:
Front Panel
Disc Selection:
Ben Hur
708

FIGURE 10A

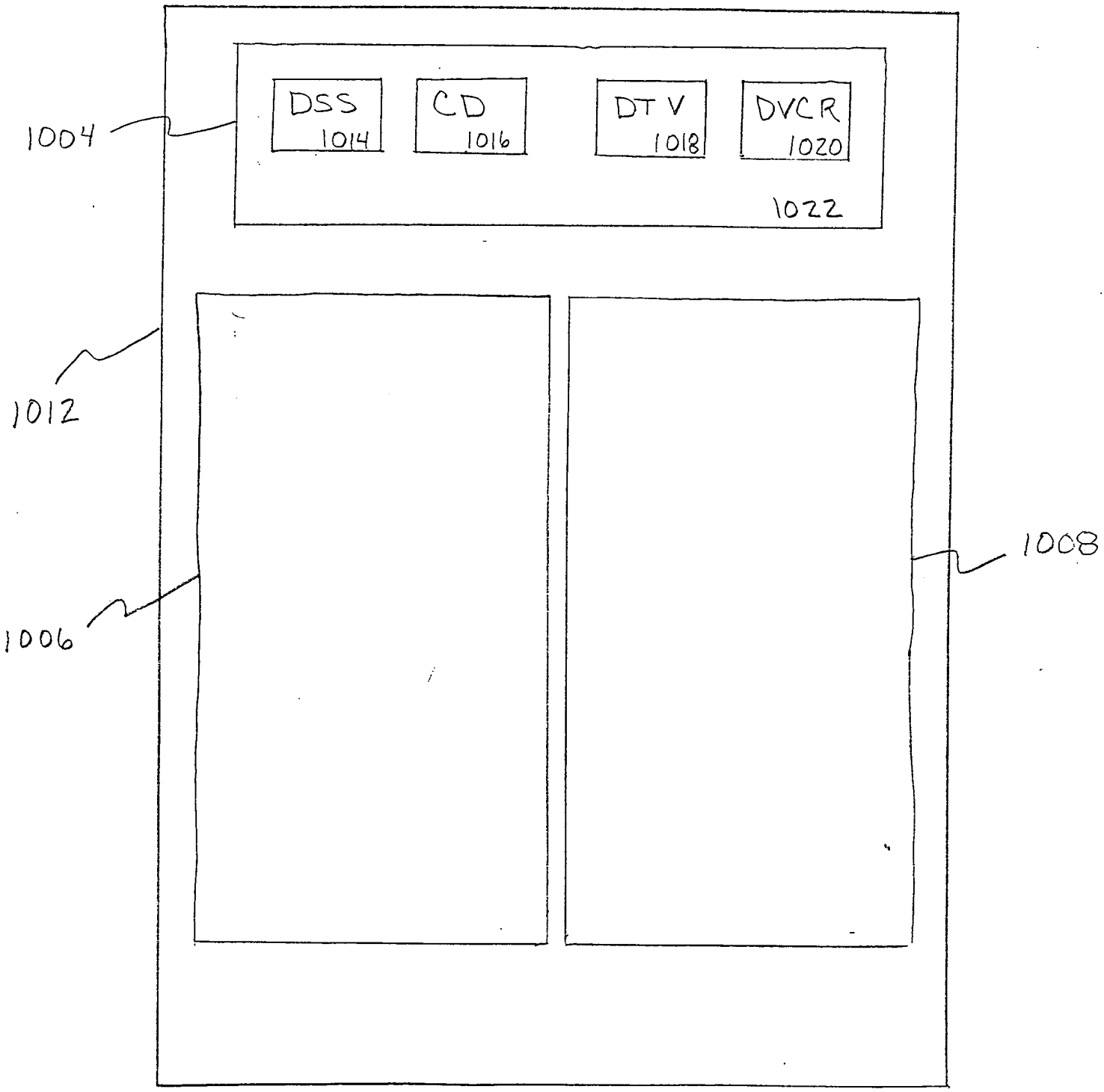

SESSION 1002
1004
DSS 1014
CD 1016
DTV 1018
DVCR 1020
1022
1012
1006
1008

FIGURE 10B

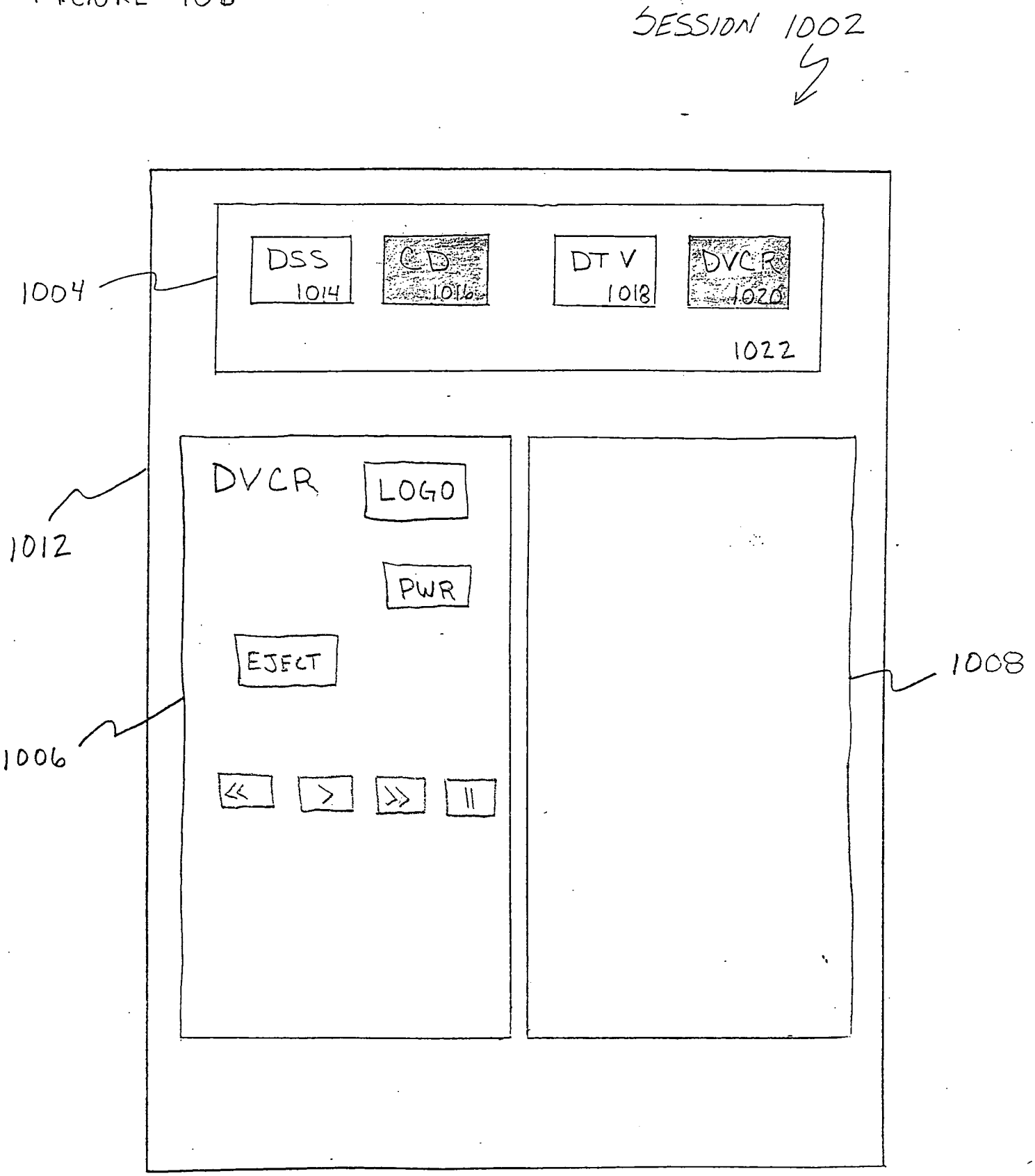

SESSION 1002
1004
DSS 1014
CD 1016
DTV 1018
DVCR 1020
1022
1012
DVCR
LOGO
PWR
EJECT
1006
1008

FIGURE 10C

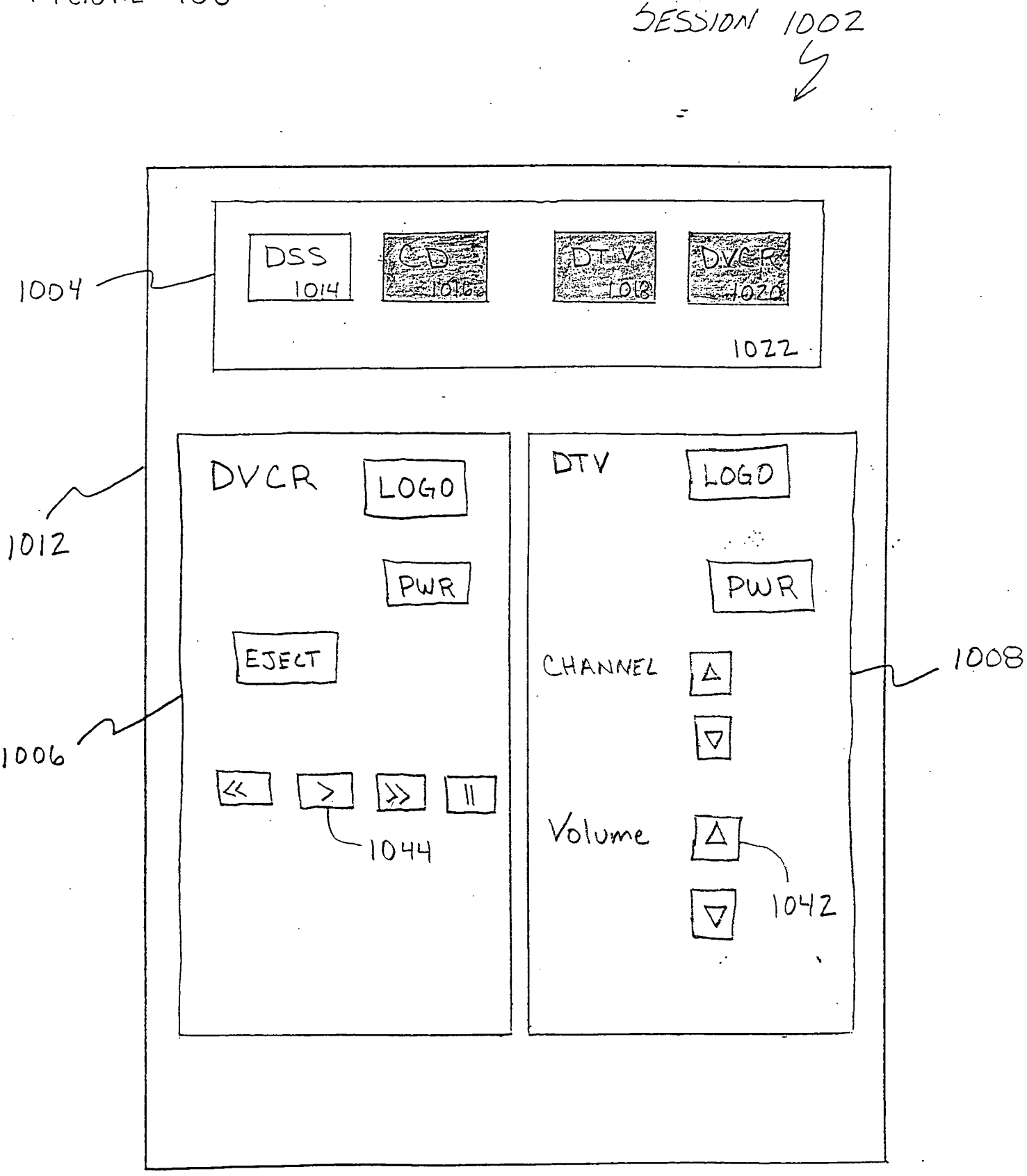

SESSION 1002
1004
DSS 1014
CD 1016
DTV 1018
DVCR 1020
1022
1012
DVCR
LOGO
PWR
EJECT
1006
1044
DTV
LOGO
PWR
CHANNEL
Volume
1042
1008

FIGURE 11

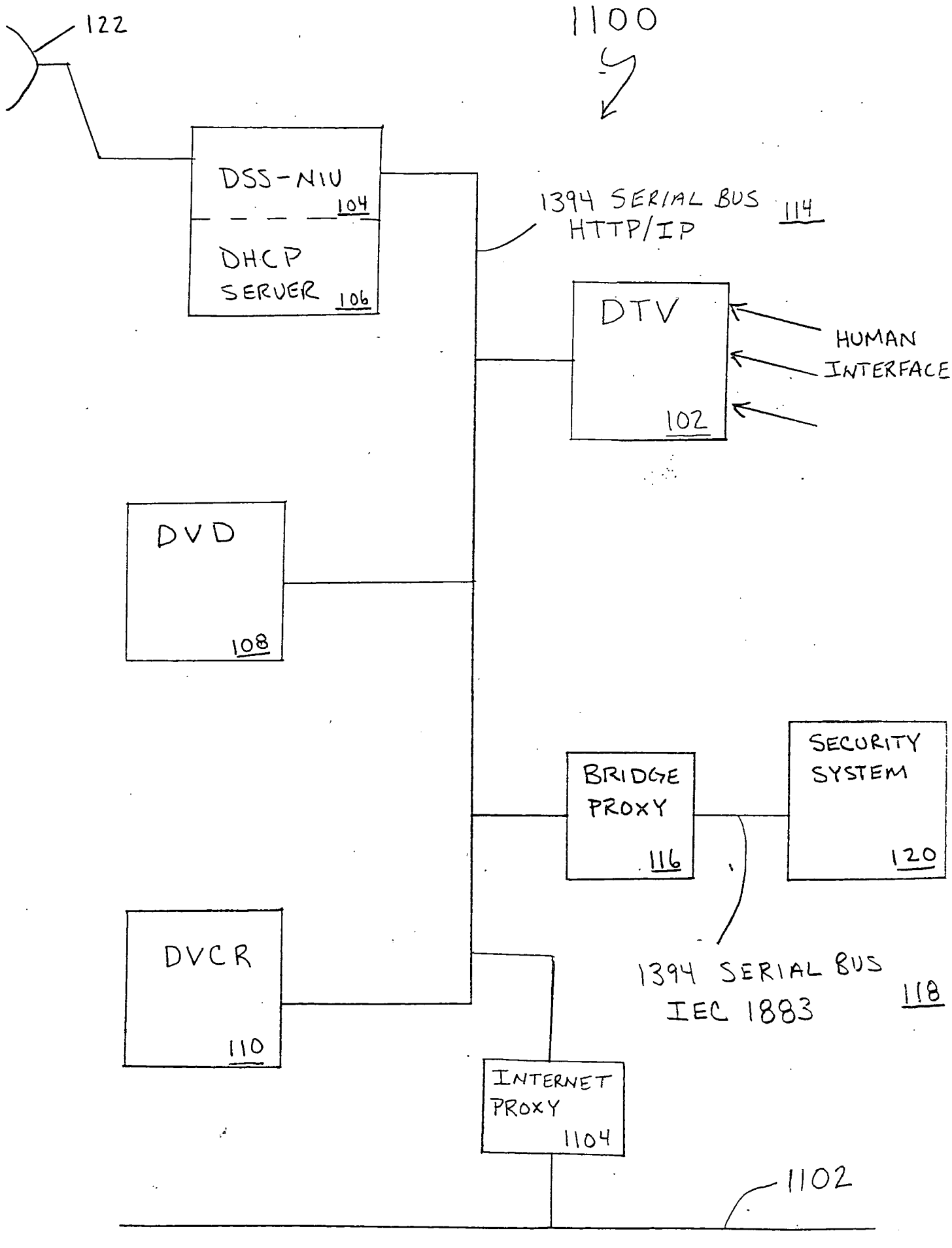

122
1100
DSS-NIU
104
DHCP
SERVER
106
1394 SERIAL BUS
HTTP/IP
114
DTV
102
HUMAN
INTERFACE
DVD
108
BRIDGE
PROXY
116
SECURITY
SYSTEM
120
DVCR
110
1394 SERIAL BUS
IEC 1883
118
INTERNET
PROXY
1104
1102

FIGURE 12

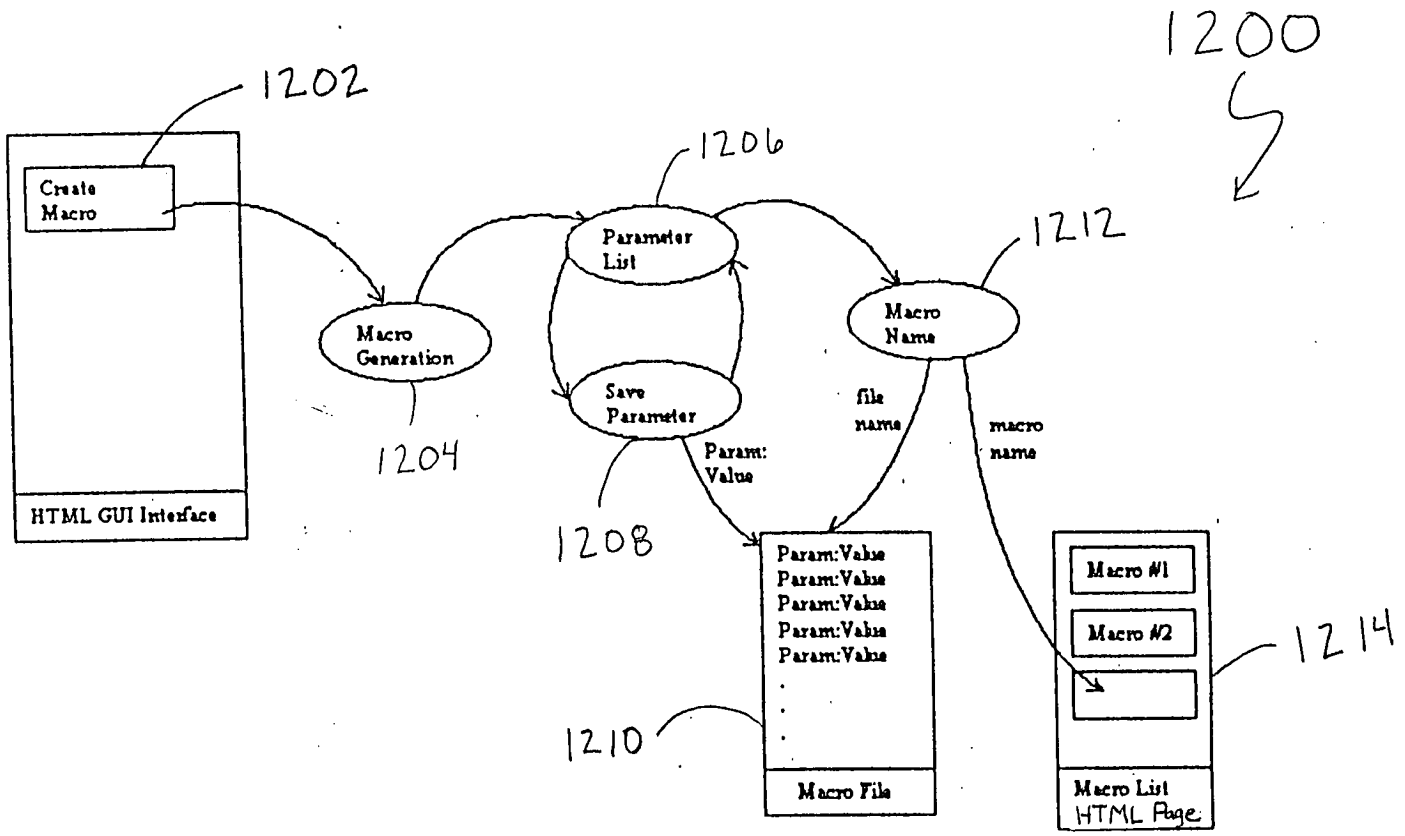
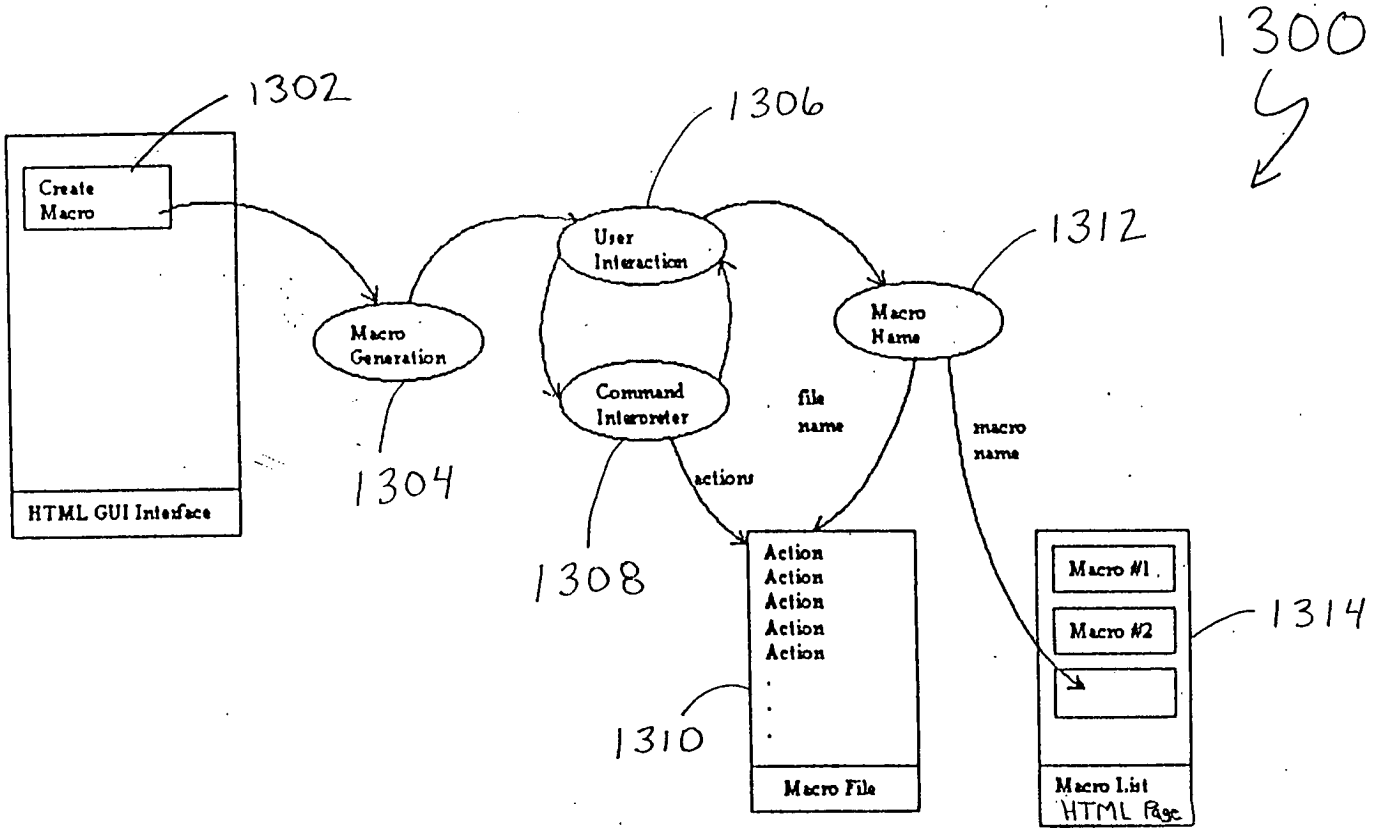

1200
1202
Create Macro
HTML GUI Interface
Macro Generation
1204
1206
Parameter List
Save Parameter
1208
Param: Value
1210
Param:Value
Param:Value
Param:Value
Param:Value
Param:Value
Macro File
1212
Macro Name
file name
macro name
Macro #1
Macro #2
1214
Macro List HTML Page

FIGURE 13


1300
1302
1306
1312
Create Macro
HTML GUI Interface
Macro Generation
1304
User Interaction
Command Interpreter
1308
Macro Name
file name
macro name
actions
Action
Action
Action
Action
Action
1310
Macro File
Macro #1
Macro #2
Macro List HTML Page
1314